MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2015/2016

PCG0033 – COMPUTER GRAPHICS 3

(All sections / Groups)

8 MARCH 2016
2.30 PM – 4.30 PM
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 17 pages (excluding this cover page).
2. **ANSWER COMPULSORY QUESTION (PART 1 AND PART 2) AND CHOOSE (1) ONE OUT OF (3) THREE QUESTIONS OF PART III NOT ALL**
3. Please write your answers in the QUESTION PAPER.

PART 1 (30 Questions) **30 Marks**

1. Which of the following is true about linking and unlinking video and audio clips in a Timeline?

   i. We can link video only to audio.
   ii. We cannot link a video clip to another video clip.
   iii. We cannot link an audio clip to another audio clip.
   iv. We can link a video clip to multiple audio clips.

   A. i
   B. i & ii
   C. i , ii & iii
   D. ALL

2. What is the tool used to **cut, trim and shortened video and audio clips**?

   A. scissor tool
   B. razor tool
   C. blade tool
   D. slice tool

3. What does a video's "**aspect ratio**" represent?

   A. The numerical fraction representing the number of pixels per inch
   B. The shape of an image or frame, expressed as the width-to-height ratio
   C. It is a wide picture format for film
   D. It is the name for the outer edges of a video image that are typically cut off by consumer television

4. What is the **standard aspect ratio** for television screens?

   A. 2:3
   B. 4:3
   C. 16:9
   D. 7:8

Continued...

5. A technique using black bars **above and below a widescreen video** image (16:9 aspect ratio) on a standard television screen is called:

   A. framing
   B. frame rate
   C. overscan
   D. letterbox

6. The individual video images that **make up a moving sequence** are called

   A. frames.
   B. assets.
   C. clips.
   D. sequences.

7. Identify if the statement is TRUE or FALSE. **FLV files are videos that you can edit in Adobe Premiere**.

   A. True
   B. False

8. What is the **file extension name for raw** Premiere projects?

   A. .avi
   B. .wmv
   C. .mov
   D. .prproj

9. What does it **mean to "dub" your audio or video** project?

   A. To duplicate, or make a copy, of the project.
   B. To synchronize the sound and images.
   C. To store, or backup, the master copy.
   D. To render out the final master copy.

Continued...

10. What is the **difference between** "mono" channel and "stereo" channel sound?

A. "Mono" is a compressed format and "Stereo" is a lossless format.

B. "Mono" is only used for web videos and "Stereo" is needed for high-definition videos.

C. "Mono: is a single channel and "Stereo" is two channels--a left and right channel.

D. There is no difference

11. Identify if the statement is TRUE or FALSE. **The maximum** video and audio tracks in Premiere is 3.

A. True

B. False

12. The television format used most commonly the **United States** is:

A. PAL

B. AVI

C. MPEG

D. NTSC

13. To **convert from one video compression format** to another is also called:

A. transcode.

B. transcription.

C. render.

D. rename.

Continued...

14. A **nondestructive compression scheme** that retains all the original file information and does not degrade sound or video quality is known as:

A. lossless.
B. lossy.
C. codec.
D. exportive.

15. What is a "**codec**?"

A. A file naming extension that can play on Quicktime and Windows Media.
B. A hardware device used for storing audio and video files.
C. A video or audio compression component that can both compress and decompress.
D. A compression scheme that removes some of the original information.

16. **Moving Pictures Expert Group**, a company of programmers and designers, designed a series of widely used multimedia file formats known as:

A. MPEG
B. AVI
C. Flash
D. Macromedia

17. MPEG-4 (mpg4) is a a **file extension and file format** that is used for:

A. high-definition widescreen film.
B. audio files.
C. digital files.
D. web-based multimedia.

Continued...

18. .mp3 is a **file extension and file format** that is used for:

A. high-definition widescreen film.

B. audio files.

C. digital files.

D. web-based multimedia.

19. Windows Media Audio (**WMA**) stands for:

A. Lossy compression to significantly reduce file size.

B. Microsoft Windows Media native audio file format.

C. The uncompressed Wave audio file format used with Microsoft Windows.

20. **Gigabyte** =

A. thousands of bytes

B. millions of bytes

C. billions of bytes

D. trillions of bytes

21. A single video sequence, typically **shot in one continuous take**, is called a

A. sequence.

B. scene.

C. clip.

D. take.

22. When you are **assembling a collection of clips into a production with multiple overlapping tracks**, you are working in the:

A. timeline.

B. monitor.

C. edit space.

D. computer lab.

Continued...

23. The time display row along the top of the timeline, showing the **time code** along the production is called the:

A. source monitor.

B. edit line.

C. time ruler

D. bin.

24. To **generate a video production** in its final form, including transitions, effects, and superimposed tracks is called:

A. finalize.

B. store.

C. render.

D. compress.

25. The **primary footage shot** and used in video production is called:

A. A roll

B. B roll

C. forward roll

D. pre-roll

26. A **style of video editing in which you edit A roll and B roll together**, with a transition from one to the next is known as:

A. marker editing.

B. outpoint editing.

C. storyboarding.

D. A/B editing.

Continued...

27. Identify if the statement is TRUE or FALSE. The short-cut key to **PAUSE** a video in Premiere is the **SPACE BAR**.

A. True

B. False

28. Identify if the statement is TRUE or FALSE. **DELINK** is the option to remove the audio track from its video track.

A. True

B. False

29. Identify if the statement is TRUE or FALSE. **Title designer** is used to add text for subtitles and credits.

A. True

B. False

30. How **many frames** do you need to play a smooth video in NTSC in Adobe Premiere?

A. 25.5

B. 26.5

C. 28

D. 30

Continued...

PART II

COMPULSORY QUESTION 1

(10 points)

The following questions are based on the process of creating **Title/Text Motion** using Adobe Premiere.

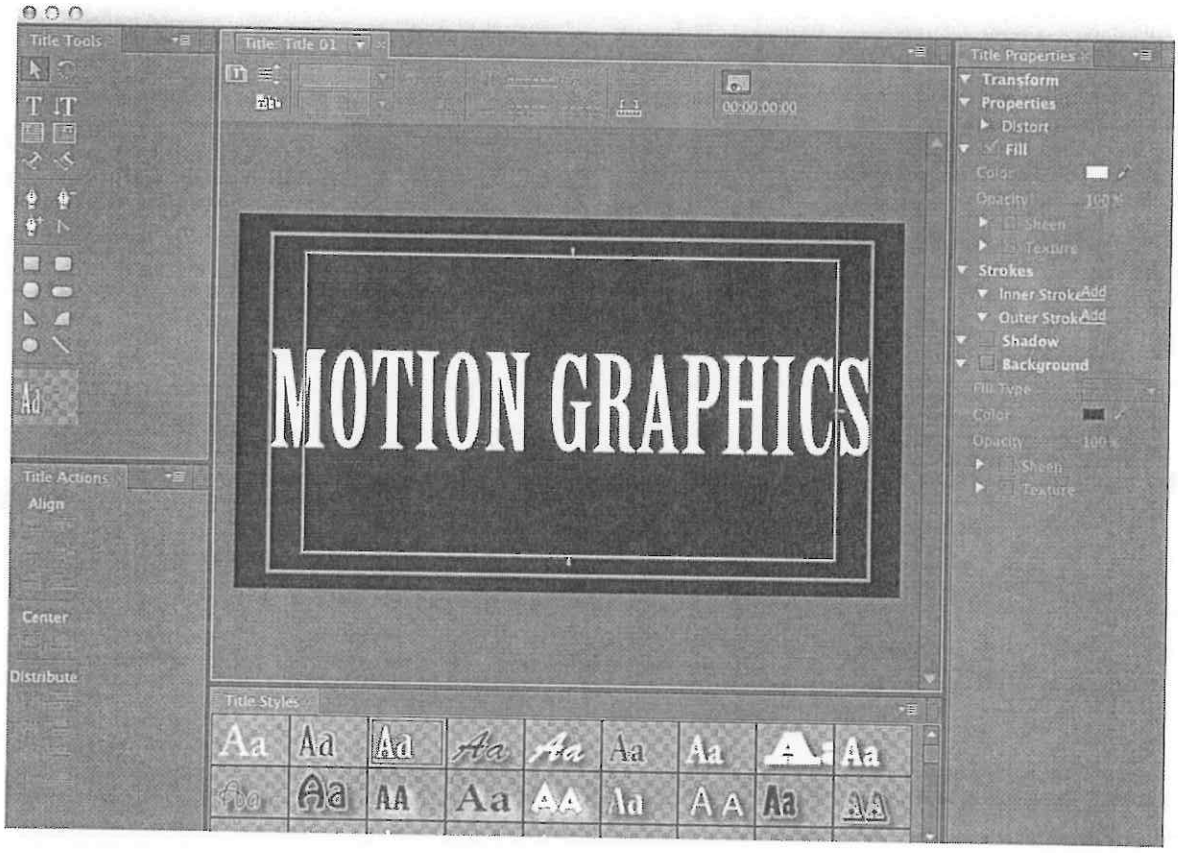


Illustration 5

1.0 Explain the **process** on how to **create the title effect** motion graphics? (5 marks)

Continued...

1.1 What is the **purpose of box line in the workflow title editor** during the process of **creating the title** motion graphics? (5 marks)

Continued...

COMPULSORY QUESTION 2

(10 points)

The following questions are based on the basic understanding of creating **Motion Graphics with Adobe Flash** :

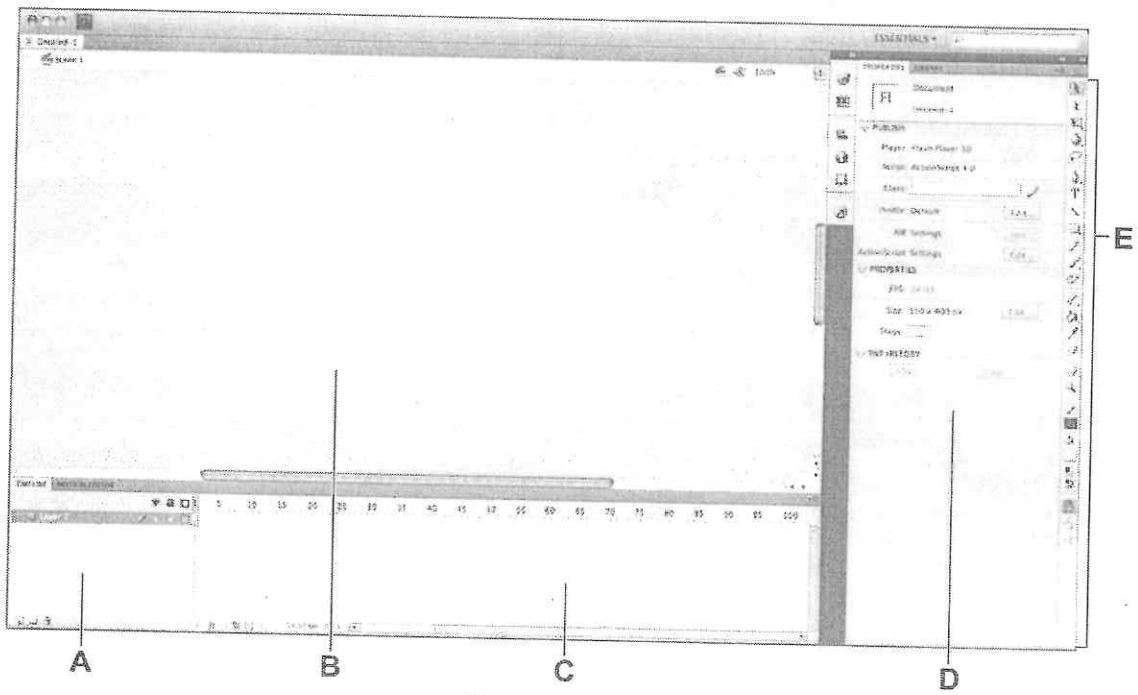


Illustration 2

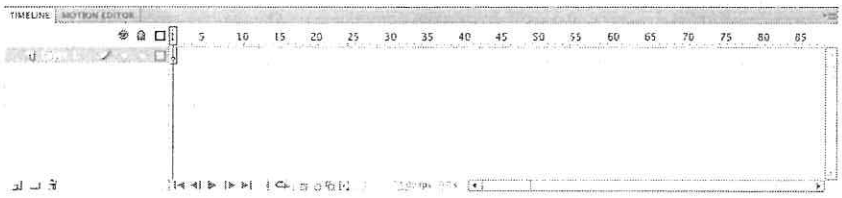
Illustration 2 is captured from the interface screen of **Adobe Flash** understanding of the window tools and features.

2.0 Referring to the Illustration, please name it the Window Panel Tool.

- **A :** .....? (1 point)
- **B :** .....? (1 point)
- **C :** .....? (1 point)
- **D :** .....? (1 point)
- **E :** .....? (1 point)

Continued...

2.1 Referring to the Illustration below, describe the process of Motion from **Position A to Position B**. Draw the timeline to explain the process of motion. (5 points)



Continued...

PART III

CHOOSE ONE OUT OF THREE QUESTIONS NOT ALL

QUESTION 3

(10 points)

The following questions are based on the understanding of **Timelapse motion graphics** using Quicktime Pro. Describe in detail **the workflow process** on how **to create the sequence** of Timelapse, and **workflow of editing and saving** the file as **full HD quality format**.

Continued...

QUESTION 4

(10 points)

The following questions are based on the basic understanding of creating **Motion Graphics with Adobe Premiere** :

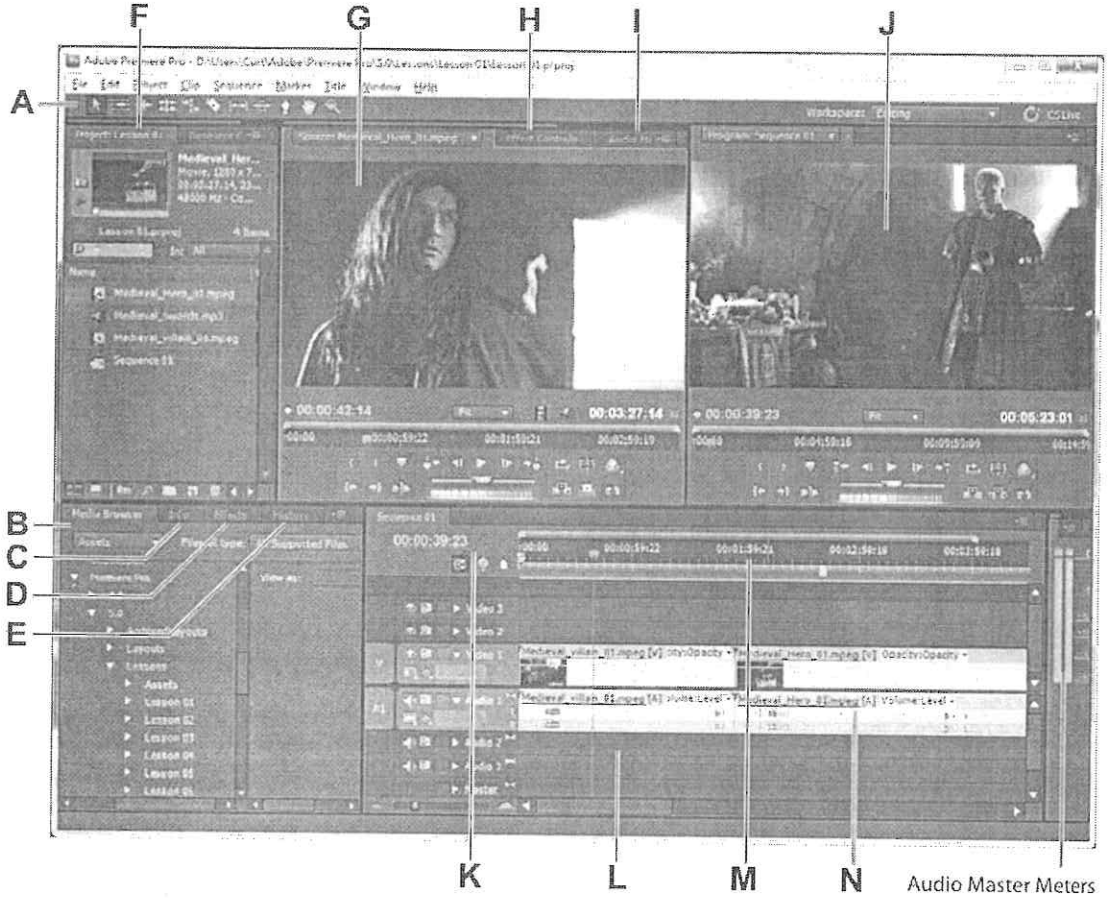


Illustration 1

Illustration 1 is captured from the interface screen of **Adobe Premiere** understanding of the window tools and workspace layout.

4.0 Referring to the Illustration, please name it the Window Tool.

- **B :** .....? (1 point)
- **F :** .....? (1 point)
- **G :** .....? (1 point)
- **H :** .....? (1 point)

Continued...

- **I :** .....? (1 point)
- **J :** .....? (1 point)
- **K :** .....? (1 point)
- **L :** .....? (1 point)
- **N :** .....? (1 point)
- **M :** .....? (1 point)

Continued...

QUESTION 5

(10 points)

The following question is based on the Basic of Non Linear Video Editing using Adobe Premiere.

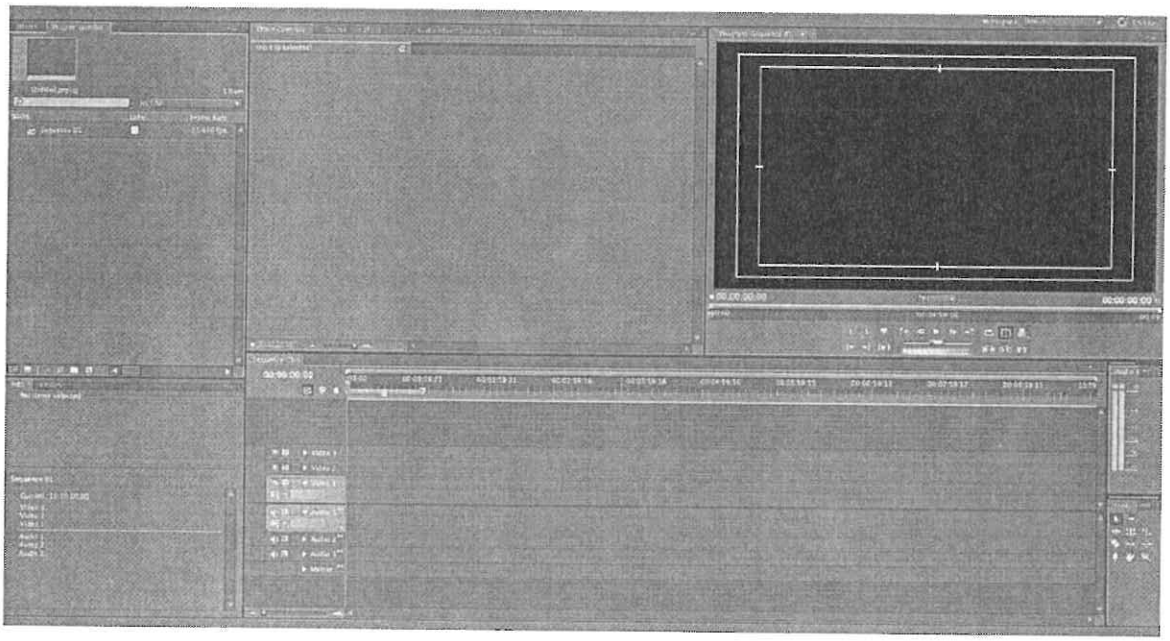


Illustration 4

The following questions are based on the illustration 4.

5.0 Why is Adobe Premiere Pro considering as a **nonlinear video editor**?

..... (2 marks)

5.1 **Describe** the basic video-editing **workflow**.

..... (5 marks)

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.....

Continued...

5.2 What is the **Media Browser used for**?

..... (1 mark)

5.3 What is the purpose of the **Source Monitor**, and what is the purpose of the **Program Monitor**?

..... (2 marks)

End of Paper.